

January 31, 2006



U.S. Department  
of Transportation

400 Seventh Street, S.W.  
Washington, D.C. 20590

**Pipeline and  
Hazardous Materials  
Safety Administration**

DOT-SP 14286

EXPIRATION DATE: December 31, 2007
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(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: EF Products, Incorporated  
Dallas, TX
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of those materials specified in paragraph 6 in a non-refillable, non-DOT specification inside metal container similar to a DOT 2Q container. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use or other uses not associated with transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.304(d) in that the use of a non-DOT specification package is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of EF Products, Inc. dated November 15, 2005 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a	2.2	UN3159	N/A
Consumer commodity	ORM-D	None	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-refillable, non-DOT specification inside metal container conforming with EF Products drawing number EF-101 on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA), and with DOT Specification 2Q (§ 178.33a) except as follows:

§ 178.33a-2 *Type and size.*

(a) \* \* \*

(b) The capacity of the containers manufactured under this special permit may not exceed 1 liter (61.0 cubic inches; 33.8 fluid ounces). The maximum diameter may not exceed 3.0 inches.

§ 178.33a-7 *Wall thickness.*

(a) The minimum wall thickness for containers manufactured under this special permit must be 0.019 inch.

§ 178.33a-8 *Tests.*

(a) One out of each lot of 25,000 containers or less, successively produced per day, shall be pressure tested to destruction and must not burst below 380 psig. The container tested shall be complete with end assembled.

(b) \* \* \*

§ 178.33a-9 *Marking.*

(a) \* \* \*

(1) Containers must be marked "DOT-SP 14286" in lieu of "DOT 2Q".

(2) \* \* \*

b. TESTING - Prior to shipment, each completed container must be heated until the pressure in the container is equivalent to the equilibrium pressure of the lading at 130° F. Lading equilibrium pressure may not exceed 205 psig at 130°F. Acceptable containers must show no evidence of leakage, distortion or other defect.

c. OPERATIONAL CONTROLS Each packaging must be prepared and shipped in accordance with the following:

(1) The liquid content of the lading may not completely fill the container at 130° F.

(2) Each container must be packed in a strong outside packaging as prescribed in § 173.301(a)(9).

(3) Each outside packaging must be marked "INSIDE CONTAINERS COMPLY WITH DOT-SP 14286". See paragraph 8.c. for marking of outer packagings containing consumer commodities.

(4) Each outer package may not exceed 66 pounds gross weight.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. Containers filled with a material meeting the definition of a "consumer commodity" in § 171.8 may be renamed "consumer commodity", reclassified as an ORM-D material and

shipped in accordance with § 173.306(h). The outside packagings are not required to be marked "INSIDE CONTAINERS COMPLY WITH DOT-SP 14286".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, Cargo aircraft, Cargo vessel, Rail freight.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft or cargo vessel used to transport packages covered by this special permit. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.
  - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety -- OHMSPA, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm) Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: CWFreeman